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Laminated composite mat comprising intumescent and fibre in binder layers -
useful for resiliently mounting the fragile ceramic or metal monoliths
found in catalytic converters, diesel particulate filters etc.

Patent Assignee: IMPERIAL CHEM IND PLC (ICIL); SAFFIL LTD (SAFF-N)

Inventor: DINWOODIE J; DINWOODIES J

Patent Family (13 patents, 76 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
WO 1998004404	A1	19980205	WO 1997GB1971	A	19970722	199812 B
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Priority Applications (no., kind, date): GB 199615720 A 19960726

Alerting Abstract WO A1

A laminated composite mat comprising 2 layers, the first comprising an
intumescent material and the second comprising inorganic fibres and a
binder which binds the fibres together and bonds the second layer to the
first.

Also claimed is production of a laminated composite mat as above,
comprising forming the second layer by a process comprising impregnating a
fibre mass comprising the inorganic fibres with a liquid binder system
comprising the binder or a precursor thereof and a carrier liquid, and
subjecting the impregnated fibre mass to a drying step, preferably
involving the use of dielectric heating, and optionally while deposited as
a layer on one side of a preformed sheet comprising the intumescent
material, so as to at least substantially remove the carrier liquid.

USE - The composite mat is useful for resiliently mounting the fragile
ceramic or metal monoliths found in catalytic converters and diesel
particulate filters in their metal casings, to support the ceramic
monoliths found in hot gas filtration units and coal gasification plants,
and in gasket applications.